

What is claimed is:

1. A mobile terminal having an image processing function, comprising:

5 an image sensor for obtaining an image;
 an image digital processing (DSP) unit for formatting the image into specific image format data;
 an interface unit for transmitting the specific image format data to an external unit; and
10 a control unit for generating a control signal allowing the specific image format data to be transmitted to the external unit.

2. The mobile terminal as recited in claim 1, further comprising: a memory unit for storing the specific image format data.

3. The mobile terminal as recited in claim 2, wherein the control signal includes a first control signal which controls 20 the data stored in the memory unit to be transmitted, and a second control signal which controls the specific image format data to be transmitted.

4. The mobile terminal as recited in claim 3, further comprising:

 a switching unit having a plurality of switches, for allowing the specific image format data and the data to be

transmitted to the external unit based on the first control signal and the second control signal.

5. The mobile terminal as recited in claim 4, wherein the
first control signal is a personal computer (PC) link signal,
and the second control signal is a PC camera signal.

6. The mobile terminal as recited in claim 3, further comprising:

10 a first switch for allowing the data to be transmitted to the external unit based on the first control signal; and
a second switch for allowing the specific image format data to be transmitted to the external unit based on the second control signal.

15 7. The mobile terminal as recited in claim 6, wherein the first control signal is a personal computer (PC) link signal, and the second control signal is a PC camera signal.

20 8. The mobile terminal as recited in claim 1, wherein the image DSP unit includes:

a YUV data processing portion for generating YUV data based on the image received from the image sensor ;
an image parallel processing portion for receiving the
25 YUV data and generating preview image data based on the YUV data; and
an encoding unit for encoding the YUV data, generating

encoded data, and transmitting the encoded data through the switches based on the PC camera signal.

9. The mobile terminal as recited in claim 8, wherein the
5 encoding unit includes a Joint Photographic Coding Experts Group (JPEG) codec.

10. The mobile terminal as recited in claim 8, wherein the encoding unit includes a Moving Picture Experts Group
10 (MPEG) codec.

11. The mobile terminal having an image processing function as recited in claim 1, wherein the image DSP unit includes:

15 a basic clock generation unit for generating a basic clock for the image DSP unit; and

a phase locked loop (PLL) for generating a USB clock for the interface unit.

20 12. A method for performing an image processing function in a mobile terminal, comprising the steps of:

a) generating a transmission control signal according to a kind of transmission data to be transmitted;

25 b) if the transmission data is data stored in mobile terminal, transmitting the data through a switching unit to an external unit based on a PC link signal; and

c) if the transmission data is image data captured in an

image sensor, converting the image data to YUV data, encoding the YUV data to generate encoded data to the external unit through the switching unit based on a PC camera signal.

5 13. The method as recited in claim 12, further comprising the step of d) if a preview function is selected, displaying the YUV data on a display unit.

10 14. A method of performing an image processing function in a mobile terminal, comprising the steps of:

15 a) capturing an image;
 b) formatting the image into a specific image format data; and
 c) transmitting the specific image format data to an external unit.

16 15. The method as recited in claim 14, wherein the step b) includes the steps of:

20 converting the captured image into YUV image data; and
 compressing the YUV data by using a specific image codec.

17 16. The method as recited in claim 15, wherein the specific image format data is one of JPEG image data and MPEG image data.